

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined  
N/A=Not Applicable

<b>Product:</b> SMOKE 'N SOOT REMOVER	<b>Manufacturer:</b> ESTEAM	<b>Flammability:</b> 0
<b>Chem. Name:</b> N/A	<b>Trade Name:</b> Smoke 'N Soot Remover	<b>Reactivity:</b> 0
<b>Chem. Family:</b> Mixture	<b>Use:</b> Cleaner for fire damaged surfaces	<b>Health:</b> 2
		<b>Protection:</b>
<small>NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4</small>		

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
EDTA	64-02-8	1-5	LD50 3030 mg/kg (oral-rat)	N/A
2-Butoxyethanol	111-76-2	15-30	LD50 1746 mg/kg (oral-rat)	25 ppm / TWA
Monoethanolamine	141-43-5	<1	LD50 1720 mg/kg (oral-rat)	3 ppm
Potassium Hydroxide	1310583	<1	LD50 273 mg/m3 (oral-rat)	N/A

PHYSICAL DATA				Freeze/Thaw
<b>Physical State:</b> Liquid	<b>Boiling Point (C):</b> 100	<b>Solubility in Water:</b> Complete	<b>Evaporation Rate:</b> N/D	<b>Stable:</b> Yes
<b>Odor/ Appearance:</b> Lemon / Yellow	<b>Freezing Point (C):</b> 0	<b>Ph (undiluted):</b> 12.7	<b>Specific Gravity:</b> N/D	<b>Percent Volatile (vol):</b> N/D
				<b>Vapor Pressure:</b> N/D

FIRE & EXPLOSION HAZARD	
<b>Flammability:</b> No	<b>Conditions:</b> N/D
<b>Means of Extinction:</b> Water, foam	<b>Hazardous Combustion Products:</b> N/D
<b>Special Procedures:</b> None	<b>Upper Explosion Limit (% by vol):</b> N/D
<b>Explosion Sensitivity to Impact:</b> N/D	<b>Lower Explosion Limit (% by vol):</b> N/D
<b>Chemical Sensitivity to Static Discharge:</b> N/D	<b>Auto-ignition:</b> N/D
<b>Flashpoint (C) &amp; Method:</b> N/D	<b>Rate of Burning:</b> N/D
<b>TDG/WHMIS:</b> Non hazardous / D2B	
<b>Explosive Power:</b> N/D	

REACTIVITY DATA	Chemical Stability:
<b>Hazardous Decomposition Product:</b> Oxides of carbon	Stable
<b>Incompatible Substances:</b> Strong oxidizers, mineral acids	

TOXICOLOGICAL PROPERTIES		
<b>Route of Entry - Skin Contact:</b> Y	<b>Reproductive Effects Y/N:</b> N/D	<b>Effects of Overexposure:</b> <b>Acute Effects:</b> Will cause irritation. May cause nausea, diarrhea, vomiting if ingested. Inhalation may be irritating.  <b>Chronic Effects:</b> Prolonged or repeated contact with skin may cause defatting dermatitis.
<b>Route of Entry - Skin Absorption:</b> N	<b>Carcinogenicity Y/N:</b> N/D	
<b>Route of Entry - Eye Contact:</b> Y	<b>Mutagenicity Y/N:</b> N/D	
<b>Route of Entry - Inhalation:</b> Y	<b>Teratogenicity Y/N:</b> N/D	
<b>Route of Entry - Ingestion:</b> Y	<b>TLV:</b> N/D	

PREVENTATIVE MEASURES						
<table style="width: 100%;"> <tr> <td style="width: 33%;"><b>Gloves:</b> Rubber</td> <td style="width: 33%;"><b>Footwear:</b> N/A</td> <td style="width: 33%;"><b>Clothing:</b> N/A</td> </tr> <tr> <td><b>Eyes:</b> Chemical glasses</td> <td><b>Respirator:</b> N/A</td> <td><b>Other:</b> N/A</td> </tr> </table>	<b>Gloves:</b> Rubber	<b>Footwear:</b> N/A	<b>Clothing:</b> N/A	<b>Eyes:</b> Chemical glasses	<b>Respirator:</b> N/A	<b>Other:</b> N/A
<b>Gloves:</b> Rubber	<b>Footwear:</b> N/A	<b>Clothing:</b> N/A				
<b>Eyes:</b> Chemical glasses	<b>Respirator:</b> N/A	<b>Other:</b> N/A				

<b>Recommended Engineered Controls:</b> Use with adequate ventilation.	<b>Leak &amp; Spill Procedures:</b> Mop up excess. Flush with water to a sanitary sewer.	<b>Waste Disposal Methods:</b> According to federal, provincial and municipal regulations.	<b>Special Handling Procedures:</b> Keep container closed when not in use. Keep away from children. Store in a cool dry place.
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FIRST AID MEASURES
<b>Inhalation:</b> Move person to fresh air. If necessary give artificial respiration or oxygen. Call a doctor if in distress.
<b>Ingestion:</b> Immediately rinse mouth and throat thoroughly with water. Call a physician.
<b>Eye Contact:</b> Immediately flush eyes with running water for at least 15 minutes. Call a physician.
<b>Skin Contact:</b> Immediately flush skin with running water for at least 15 minutes. Launder clothing before reuse. Call a physician if irritation persists.

<b>Prep./Revised Date:</b> January 8, 2010	<b>Mailing Address:</b> Esteam Manufacturing Ltd. 3750-19th Street NE Calgary, AB T2E 6V2
<b>Prepared By:</b> R. Russell	
<b>Source Material:</b> Manufacturer's MSDS	
<b>Emergency Response:</b> 1-613-996-6666 (Transport Emergencies)	



This information is complete to the best of our knowledge, however, users are encouraged to make their own investigations into the suitability of the information to their particular purposes. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.